

IN THE SPECIFICATION

Page 4, between lines 2 and 3, please insert --

In still another embodiment of the invention, there are provided methods for producing pertussis toxin comprising cultivating *Bordetella pertussis* in a culture in the presence of (1) a reduced concentration of cysteine, wherein the reduced concentration is 0.04 to 0.1 grams of cysteine per liter, thereby reducing the concentration of sulfate ions from the metabolism of cysteine, and (2) a metal salt to sequester sulfate ions, wherein the metal is selected from the group consisting of Pb(II), Sr(II), Ag(II) and Ba(II), and isolating the pertussis toxin from the culture. The cysteine can be contained in a culture media and/or a supplement that is added to culture media. The metal salt can be a halide salt, such as BaCl₂ or BaBr₂. The isolating can be done by chromatography. --